Approved For Release 2006/11/30 : CIA-RDP78B04770A000200010010-9-78 4 8 5

RPIC/P&DS/D/6-708 7 January 1966

MEMORANDUM FOR:	Chief, Development Branch, P&DS	
THROUGH:		25X1
SUBJECT:	Feasibility Study of Multiple Image Integration Viewer-Printer	
REFERENCE:	Project #998485,	25X1
1. Attache 1965 and a lette additional incen	r from suggesting a change in contract to provide	25X1 25X1
able to incorpor system. Basical in size, one che correlated and t integrated image one second. One suppression. Th Viewer during a will prove extre	erall report is very good and it appears that will be rate all of the features and capabilities required in this ly the system can handle three film chips up to 9 1/2 inches annel is selected as a master and the other two channels transformed geometrically by an electronic system. The can be printed on film at high resolution in less than to of the important features is the gamma control and shadown is was demonstrated in a breadboard attachment to an Ares monitor trip to the contractors facility. This feature emely valuable in working with low contrast images.	25X1
project and our successful. 3. The only iswed at input magnification. 3.7x. While the bedifficult wirecorded image the film plane. the integrated control house a might be better for lower magnifications.	system will have the add-on capability in the event it is ly reservation I have at this time is in the image area. The proposed sizes are: 0.25 inches square for 12x 0.45 inches square for 6.7x and 0.80 inches square for is appears to be satisfactory for most photography, it may th large scale low contrast imagery. The final use of the will have to be considered in selecting the spot size at If the recorded film is to be used in reports to indicate image in relation to its surroundings (radar at airfield, t missile site, cooling towers at steel plant, etc.), it to have a larger spot size at the film plane and settle fication and resolution on the recorded film. Conversely, interested in integrating small film sizes, we should follow sed by I tend to lean toward the sizes they propose	25X1
but I am intere	sted in hearing your viewpoint.	20,(1

CROUP i Excluded from automatic devegrating and doclassification

Approved For Repose 2011/10 EAST 178B04770A000200010010-9

4. If we accept the input image areas as proposed in this feasibility study, I feel that the overall size of the viewer-printer can be reduced. If the maximum size spot to be used in the input channels is 0.80 inches square, there seems to be little need of having each input channel platen large enough to accommodate 9 1/2 inch chips. A more realistic platen size would probably be 4 1/2 inches thus requiring less translating movement resulting in a decreased overall length and width.	
	25X1 25X1
6. Any recommendations you may have as to the most appropriate film image spot size and overall size of the system would be appreciated. I am also most interested in finding out your viewpoint on the proposed changes in the contract and any course of action you may recommend.	
7. Once these points have been satisfactorily resolved, I recommend that be instructed to proceed with Phase II or the fabrication stage of the contract.	25 X 1
	25 X 1
Attachment: 1 - Report 65-9225-1 2 - letter on Project 9225, dated 8 Dec 1965	25 X 1
Distribution:	

1 - Dep. Chief, DB/P&DS 1 - Ch/SSS/DB/P&DS

Original and 1 - Addressee

CONFIDENTIAL